JIV report S/N:

Nº 0000071

INCIDENT NO: 1461320

(Note: As practicable as possible the JIT report is to be signed in the field by all the participating parties) A. GENERAL INFORMATION: 1. Spill incident Number: 146 320 2.Type of incident* Oll SPILL ADIBAWA - OKORDIA PIPELINE 4. Name of nearest community IKARAMA 5. State: BAYELSA 6. LGA YENAGOA 7. Type of Production facility/Installation DIL PIPFLINE PETROLEUM DEVELOPMENT ERIA LIMITED / PIPELINE 9. Details of incident a. Date of incident: 2 TH August. SEPTEMBER, 2015/12150 HOURS b. Start date/time of investigation: 18TH SEPTEMBERActual investigation duration, days: TWO (2) DAYS c. Investigation End date: 9 d. Description of spill point environment DFirm soil Loose soil Recently excavated area ☐Under water Swampy DExposed pipe surface ☐Well Platform (on Water ☐ DrillRig Additional observations around the spill point: DITCH WAS DESERVED AROUND THE SINVESTIGATION TEAM ARRIVED AT INVESTIGATION TEAM ARRIVED AT SITE. UPON EXCAVATION DURING JIV TO ASCERTAIN LEAK CAUSE, A SECTION OF THE CONCRETE COATING AROUND THE SPILL POINT WAS NOTICED REMOVED, OFF THE PIPELINE, BY UNKNOWN PERSONS e. Description of leak point (tick as applicable); Hack saw cut ☐ Drilled hole ☐ Tear (Complete Rupture ☐ Inward dent. ☐ Weil head tampering Failed Weld-on illegal hot tap valve ☐ Failed Clamp, ☐ Missing Pipeline/Flowline ☐Crude oil theft (illegal bunkering) point, ☐ Saver-pit over flow ☐ Third party tampering with Clamp ☐Third party tampering with valve setting ☐ Bulging Outward Third party tampering with flange, ☐Flare System/Bund wall failure □Cold vent ☐ Surge vessel overflow, ☐ Valve Failure Relief valve failure Accidental 3rd party equipment impact □Others(specify) f. Incident caused by: ✓ Third party interference (Sabotage (C); crude theft (□; Line theft (□; Accidental 3rd party damage (□)) Others (including Mystery spills)

^{*}This can be: a) Oil Spill b) Drilling fluid Chemical c) Siltation d) construction e) Encroachment f) Fire,

INCIDE	NT NO: 1461320	JIV report S/N:	Nº 000007
g. Spill point coordinat h. Measuring unit	es WGrs 84	‡	
Northing:	LATITUDE	Easting: LONG IT	une
7)	5.15454	006-45201	
	3 13 7 3 4	1	
		<u> </u>	j
C. RISK ASSESSMENT	•		
10. Type of environm	ent:		
Land	Swamp	Seasonal swamp S	Shoreline/Waterfront
i. Type of a	environment to which oil has spread:		
∠ Land	SEAS CNAL Water	River (identify)	
ii. Weather	condition		
□Rain	☑Sunny □Dry □Wet	□Windy □Hot	□cool
11. Distance from the	nearest sensitive habitat		
☐ Government ☐ Drinking wat ☐ Built up area ☐ Farmlands ☐ Fish Farm/Po ☐ Fishing net ☐ Others (speci		ED ['w]	
. 12. Containment mea	sures put in place;	•	
Booms	□Trench □Dyke	Natural depression	□Pit □None
Others: D	ICH OBSERVED ARC	WHD SPILL POH	1 T.
13. Any pictures or v	ideo coverage?	[Y] [N]	
14. Further response	repair initiated as at the time of JIV?	[Y]/ [N]	
	EAK LAAS STOPPED		
EFFECTED ON T	HE AFFECTED SECTION	OF PIPELINE BY	CLAMPING.
15. Was there any dis	sruption to the investigation?	[Y] [N)	

INCIDENT NO: 1461320 JIV report S/N: Nº 0000071 If yes to item 15 give brief description: D. TYPE/NUMBERS OF PROPERTIES, IF ANY, FOUND WITHIN THE AREA OF SPREAD OF OIL 16. Structures / Properties S/N Type of Structures Description Size Number Comments 17. Crops/Economic Trees S/N Type of crops Young Medium Matured Quantity Comments 18. Fishing Nets/Fish Ponds S/N Nets/Ponds Description Quantity/Size Comments 19. Others (Specify) i.e. Animal Traps S/N Others Description Quantity/Size **Comments** E. GRAPHIC DESCRIPTION OF LEAK POINT (while detail report of the leak point should be contained in the leak report, overview sketch of the site should be added as an appendix 1) ECTION OF 12" ADIBAWA - OKORDIA PIPELINE IKARAMA SHOWING POSITION OF HACKSAW CUT. LLEGAL 100MM LONG CONCRETE HACKSAW CUT (WITH BE-COATING BY 20MM LONG EFFECTIVE MNKHOWH PERSONIS CUT) BETWEEN 12 AND I O' CLUCK POSITIONS.

INCIDENT NO: 1461320 JIV report S/N: Nº 0000071

F: TABLE SHOWING SOME OF COORDINATES TAKEN DURING JIV FOR AREA CALCULATION

20. Impacted area boundary Coordinates (If more, Print and attach as an appendix)

WUS B4

Northing	Easting / ALC TIME
LA (II and C	Lavarage
	6.45206
5.15458	6.45202
5.15462	6-45195
5.15474	6.4518
5.15494	G-45172
	6.45034
5. 15516	6.4545
5.15528	6·45061 6·45018
5-15495	G-45018
5-1548	6 • 44-984
5.15447	6-44981
5- 15445	6.4509
<u>5·15453</u>	6.45106
5.15466	6-45113
5-15472	6.45128
5.15468	6.45129
5.15464	6.45125
5-15464	6.45127
5. 15479	6.45 5
5.15457	6.45172
5. 15 432	6. 45194
5 15444	. 6. 45205
	5.15474 5.15494 5.15434 5.15516 5.15528 5.15435 5.15445 5.15445 5.15466 5.15466 5.15468 5.15464 5.15464 5.15464 5.15464 5.15464 5.15467 5.15457 5.15457

INCIDENT NO: 1461320 JIV report S/N:	Nº 0000071
G. INCIDENT INFORMATION:	
a. Impacted Area Details	
Total calculated area of impact 1.51Hq	_
• Impact within R.O.W 165	
• Impact outside R.O.W 165	_
b. Volume of oil recovered before completion of JIV (V _{recJ}): Recovered oil V _{recJ} :	Darrels
	Barrels
Controlled recovery/evacuation from source with no impact to environment:	
Barreis	
c. Net Estimated Spilled VolumeV _{Est} (bbls)* = 132.5	
Estimated Reported Volume** V _{rep} (bbls)= 133 BARRELS	
1 33 DHIVET3	
*Notes: Volume estimation was done using an excel based tool (see attached for details on the calculation)	
Reported spilled volume is an estimate Write other relevant notes taken into consideration for estimating the spilled in the box below:	
NOT APPLICABLE	
Calculation of the respective estimated volume is to be done on site as far as practicable using the new spill volume estima. Conversion of m ¹ to barrels is Volume (m3) x 6.29; **Round up estimated volume to next whole number using the followin • Any spill volume in excess of 1 libit is rounded up to the next whole number.	tion software on site; ng rules;
Any spill volume in less than - 1 bbl - is rounded up to the next 0.1 bbl.	
Examples: Calculated volume = 15.3 bbt Reported volume = 16 bbt Calculated volume = 0.35 bbt Reported volume = 0.4 bbt Calculated volume = 0.01 bbt Reported volume = 0.1 bbt	

Wherever this estimation tool is not applicable please refer to paragraph be tDeviations) of the AV procedure to use appropriate steps for

volume estimation; record the calculation in a plain sheet of paper and attach to the AU report,

INCIDENT NO:_	1461320	JIV report S/N: N 0	9000071
			

d.	General	Status	of the	site

í,	Joint investigation of the incident site found that there is no residual impact after the initial response a therefore recommend that the site be closed out	and JIT
ii.	Investigation of the incident site showed that there is residual impact on site requiring further works	Q.

e. Representatives

This report was filled, agreed and signed by the following joint investigation team representatives:

- Host Community:
- Department of Petroleum Resources [DPR]: □
- National Oil Spill Detection and Response Agency [NOSDRA]:
- State Ministry of Environment [SME]:
- Asset Owner: 🖸
- Signatories agree with reported findings:
- Separate DPR form has been filled out with same findings□

Tick as applicable

INCIDENT NO: 1461320 JIV report S/N: Nº 0000071

f. Appendix 1: Overview sketch of the site

